

WHAT IS CLAIMED IS:

- 102 1. A calendered hydrocolloid dressing comprising at least a backing film layer and an adhesive layer, wherein the material comprising the backing film layer includes at least a thermoplastic elastomer.
- 102 2. A calendered hydrocolloid dressing of claim 1, wherein the thermoplastic elastomer is an ethylene based copolymer.
- 103 3. A calendered hydrocolloid dressing of claim 1, wherein the ethylene based copolymer is one or a combination of any of an ethylene acrylic acrylate, ethylene butyl acrylate, ethylene ethyl acrylate or ethylene methyl acrylate copolymer.
- 103 4. A calendered hydrocolloid dressing of claim 1, wherein the backing film layer is comprised of about 100% by weight copolymer, wherein the copolymer is about 21% by weight comonomer.
- 103 5. A calendered hydrocolloid dressing of claim 1, wherein the material comprising the backing film layer further includes low density polyethylene homopolymer.
- 103 6. A calendered hydrocolloid dressing of claim 1, wherein the material comprising the backing film layer further includes additives.
- 103 7. A calendered hydrocolloid dressing of claim 6, wherein the additives are selected from the group of antioxidants, stabilizers and processing aids.
- 103 8. A calendered hydrocolloid dressing of claim 1, wherein the backing film is comprised of about 65% to about 100% by weight ethylene methyl acrylate copolymer, from about 0 to about 35% by weight low density polyethylene, about 0.05 to about 2% by weight of any one of or combinations of any of antioxidants, processing aids or stabilizers.
- 102 9. A calendered hydrocolloid dressing of claim 1, wherein the material comprising the adhesive layer includes at least a polymer and a hydrocolloid.

10. A calendered hydrocolloid dressing of claim 9, wherein the polymer is a pressure sensitive adhesive.

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102 11. A calendered hydrocolloid dressing of claim 10, wherein the pressure sensitive adhesive comprises at least one rubber.

12. A calendered hydrocolloid dressing of claim 11, wherein the rubber is any one of or a combination of any one of styrene-isoprene-styrene copolymers, styrene-ethylene-styrene copolymers, styrene-butylene-styrene copolymers, butyl rubber and polyisobutylene.

102 13. A calendered hydrocolloid dressing of claim 9, further comprising at least one additive.

102 14. A calendered hydrocolloid dressing of claim 13, wherein the additive is any one or a combination of any of tackifiers, stabilizers, plastifiers, processing aids or therapeutic agents.

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15. A calendered hydrocolloid dressing of claim 9, wherein the adhesive layer comprises about 15% to about 40% by weight polymer, about 10% to about 50% by weight hydrocolloid, and about 10 to about 75% of by weight additives.

102-103 16. A calendered hydrocolloid dressing of claim 9, wherein the adhesive layer comprises about 58% by weight polyisobutylene, about 12% by weight butyl rubber, about 7% by weight plasticizer and 23% by weight hydrocolloid.

17. A calendered hydrocolloid dressing of claim 1, further comprising a release liner adhered to an adhesive layer lower surface area.

102 18. A calendered hydrocolloid dressing of claim 1, wherein the adhesive layer, backing  
film layer, or adhesive and backing film layer are substantially transparent or clear.

103 19. A calendered hydrocolloid dressing of claim 1, wherein the adhesive layer, backing film layer, or adhesive and backing film layer are substantially flesh colored.

20. A calendered hydrocolloid dressing of claim 1, wherein the adhesive layer is about 5 to about 50 mils and wherein the backing film layer is about 0.5 to about 10 mils.

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21. A method of manufacturing a calendered hydrocolloid dressing comprising the steps of:

- a. blending a backing film composition;
  - b. extruding the backing film composition;
  - c. calendering the backing film composition between a top roll and a center roll
- to form a backing film layer;
- d. blending an adhesive composition; and
  - e. calendering the adhesive composition between the center roll and a lower roll

to form a hydrocolloid dressing comprising a backing film layer and an adhesive layer in a single manufacturing step.

22. The method of claim 10, further comprising the step of adhering a release liner layer to a lower surface area of the hydrocolloid dressing.

23. A calendered hydrocolloid dressing prepared by the method of claim 21 or 22.

Add a2

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dependence  
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